

INTERNATIONAL SEARCH REPORT

International Applications No
 PCT/FR2005/000814

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01M10/54 H01M6/52

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H01M C22B B09B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|----------|---|-----------------------|
| A | DATABASE WPI Section Ch, Week 200338 Derwent Publications Ltd., London, GB; Class L03, AN 2003-401034 XP002306993 & TW 501 294 A (IND TECHNOLOGY RES INST) 1 September 2002 (2002-09-01) abstract ----- EP 1 333 522 A (BATREC IND AG) 6 August 2003 (2003-08-06) paragraphs '0019!, '0032! - '0040!; claims 1,6-8; figure 1 ----- -/-/ | 1-14 |
| A | | 1-14 |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

Date of mailing of the international search report

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| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|--|---|-----------------------|
| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | PATENT ABSTRACTS OF JAPAN vol. 1999, no. 14, 22 December 1999 (1999-12-22) & JP 11 242967 A (NIPPON MINING & METALS CO LTD), 7 September 1999 (1999-09-07) abstract ----- | 1-14 |
| A | PATENT ABSTRACTS OF JAPAN vol. 1996, no. 01, 31 January 1996 (1996-01-31) & JP 07 245126 A (SUMITOMO METAL MINING CO LTD), 19 September 1995 (1995-09-19) abstract ----- | 1-14 |
| A | PATENT ABSTRACTS OF JAPAN vol. 2000, no. 14, 5 March 2001 (2001-03-05) & JP 2000 313926 A (NIPPON MINING & METALS CO LTD), 14 November 2000 (2000-11-14) abstract ----- | 1-14 |
| A | PATENT ABSTRACTS OF JAPAN vol. 1995, no. 02, 31 March 1995 (1995-03-31) & JP 06 322452 A (SUMITOMO METAL MINING CO LTD), 22 November 1994 (1994-11-22) abstract ----- | 1-14 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR2005/000814

| Patent document cited in search report | | Publication date | Patent family member(s) | | Publication date |
|--|---|------------------|-------------------------|---------------|------------------|
| TW 501294 | A | 01-09-2002 | NONE | | |
| EP 1333522 | A | 06-08-2003 | EP | 1333522 A1 | 06-08-2003 |
| | | | CA | 2418527 A1 | 01-08-2003 |
| | | | CN | 1442928 A | 17-09-2003 |
| | | | EP | 1333523 A2 | 06-08-2003 |
| | | | JP | 2003243051 A | 29-08-2003 |
| | | | US | 2003180604 A1 | 25-09-2003 |
| JP 11242967 | A | 07-09-1999 | JP | 3079287 B2 | 21-08-2000 |
| JP 07245126 | A | 19-09-1995 | JP | 3443446 B2 | 02-09-2003 |
| JP 2000313926 | A | 14-11-2000 | JP | 3461300 B2 | 27-10-2003 |
| JP 06322452 | A | 22-11-1994 | JP | 3434318 B2 | 04-08-2003 |